Abstract:

A method and a system for controlling a prosthesis such as an artificial limb. Electromyographic (EMG) signals are used to generate control signals for one or more prostheses such as artificial limbs. The electromyographic (EMG) signals are received by one or more sets of electrodes dedicated to a source of electromyographic (EMG) signals.

By using dedicated electrodes, electromyographic (EMG) signals originating from well-defined sources may be picked up. Consequently, EMG signals stemming from a muscle which would be activated by a human being when this human being would move a part of his body, e.g. a limb or a part of a limb replaced by a prosthesis, may be detected, picked up and used to control the corresponding prosthesis or corresponding part of the prosthesis.

(Fig. 4)